



## Complete Summary

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### TITLE

Oral health - children: percentage of deciduous teeth extracted (for pathological reasons) within 6 months following pulpotomy treatment, during the time period under study.

### SOURCE(S)

Australian Council on Healthcare Standards (ACHS). ACHS clinical indicator users' manual 2009. ULTIMO NSW: Australian Council on Healthcare Standards (ACHS); 2009 Jan. 853 p.

## Measure Domain

### PRIMARY MEASURE DOMAIN

Outcome

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of deciduous teeth extracted (for pathological reasons) within 6 months following pulpotomy treatment, during the time period under study.

### RATIONALE

Deciduous tooth endodontic treatment (pulpotomy) may fail for a number of reasons:

- Poor initial prognosis
- Split/fractured crown/root or advanced root resorption & apical pathology
- Poor technique resulting in perforation/over instrumentation

Treatment outcomes have a direct bearing on cost, utilisation of resources, future treatment options and patient satisfaction.

## **PRIMARY CLINICAL COMPONENT**

Oral health; deciduous teeth; pulpotomy; extraction

## **DENOMINATOR DESCRIPTION**

Total number of deciduous teeth receiving a pulpotomy treatment\* in the period of assessment, during the time period under study

\*Refer to the original measure documentation for Australian Dental Association (ADA) item codes.

## **NUMERATOR DESCRIPTION**

Total number of deciduous teeth extracted (for pathological reasons) within 6 months following pulpotomy treatment, during the time period under study (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

### **Evidence Supporting the Measure**

## **EVIDENCE SUPPORTING THE CRITERION OF QUALITY**

- A formal consensus procedure involving experts in relevant clinical, methodological, and organizational sciences

### **Evidence Supporting Need for the Measure**

## **NEED FOR THE MEASURE**

Use of this measure to improve performance

## **EVIDENCE SUPPORTING NEED FOR THE MEASURE**

Australian Council on Healthcare Standards (ACHS). Australasian clinical indicator report 2001-2007. Determining the potential to improve quality of care: 9th edition. ULTIMO NSW: Australian Council on Healthcare Standards (ACHS); 2008. 611 p.

### **State of Use of the Measure**

## **STATE OF USE**

Current routine use

## **CURRENT USE**

Internal quality improvement

## Application of Measure in its Current Use

### **CARE SETTING**

Ambulatory Care

### **PROFESSIONALS RESPONSIBLE FOR HEALTH CARE**

Dentists

### **LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED**

Single Health Care Delivery Organizations

### **TARGET POPULATION AGE**

Children

### **TARGET POPULATION GENDER**

Either male or female

### **STRATIFICATION BY VULNERABLE POPULATIONS**

Unspecified

## Characteristics of the Primary Clinical Component

### **INCIDENCE/PREVALENCE**

Unspecified

### **ASSOCIATION WITH VULNERABLE POPULATIONS**

Unspecified

### **BURDEN OF ILLNESS**

Unspecified

### **UTILIZATION**

Unspecified

### **COSTS**

Unspecified

## Institute of Medicine National Healthcare Quality Report Categories

### IOM CARE NEED

Getting Better

### IOM DOMAIN

Effectiveness

## Data Collection for the Measure

### CASE FINDING

Users of care only

### DESCRIPTION OF CASE FINDING

Number of deciduous teeth receiving a pulpotomy treatment in the period of assessment, during the time period under study

### DENOMINATOR SAMPLING FRAME

Patients associated with provider

### DENOMINATOR INCLUSIONS/EXCLUSIONS

#### Inclusions

Total number of deciduous teeth receiving a pulpotomy treatment\* in the period of assessment, during the time period under study

\*Refer to the original measure documentation for Australian Dental Association (ADA) item codes.

#### Exclusions

Unspecified

### RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

### DENOMINATOR (INDEX) EVENT

Encounter  
Therapeutic Intervention

### DENOMINATOR TIME WINDOW

Time window is a single point in time

## **NUMERATOR INCLUSIONS/EXCLUSIONS**

### **Inclusions**

Total number of deciduous teeth extracted\* (for pathological reasons) within 6 months following pulpotomy treatment, during the time period under study

\*Refer to the original measure documentation for Australian Dental Association (ADA) item codes.

### **Exclusions**

Extractions for non pathological reasons (e.g., orthodontic extractions, over retained deciduous extractions) are excluded.

## **MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS**

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

## **NUMERATOR TIME WINDOW**

Fixed time period

## **DATA SOURCE**

Administrative data  
Medical record

## **LEVEL OF DETERMINATION OF QUALITY**

Not Individual Case

## **OUTCOME TYPE**

Proxy for Outcome

## **PRE-EXISTING INSTRUMENT USED**

Unspecified

## **Computation of the Measure**

## **SCORING**

Rate

## **INTERPRETATION OF SCORE**

Better quality is associated with a lower score

## **ALLOWANCE FOR PATIENT FACTORS**

Unspecified

## **STANDARD OF COMPARISON**

External comparison at a point in time  
External comparison of time trends  
Internal time comparison

## **Evaluation of Measure Properties**

## **EXTENT OF MEASURE TESTING**

Unspecified

## **Identifying Information**

### **ORIGINAL TITLE**

Indicator area 4: children's dental care CI 4.1.

### **MEASURE COLLECTION**

[Australian Council on Healthcare Standards \(ACHS\) Equip Clinical Indicators](#)

### **MEASURE SET NAME**

[Oral Health Indicators](#)

### **DEVELOPER**

Australian Council on Healthcare Standards

### **FUNDING SOURCE(S)**

Funding is direct Australian Council on Healthcare Standards (ACHS) funding sourced through our membership. ACHS does not receive external funding from the government or other sources.

### **COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE**

Our terms of reference dictate the composition of the working parties that develop our indicators and include the following:

- Two Clinicians -- nominated by the relevant specialty college/association/society, one nominated to be the chair of the working party

- Private Hospital Representative -- nominated by the Australian Private Hospital Association
- Consumer Representative -- nominated by the Consumer Health Forum of Australia
- Coding Representative -- nominated by the National Centre for Clinical classification on Health
- Quality Health New Zealand, nominated by QHNZ (if applicable)
- Epidemiological/Clinical Research Representative, Director of Health Services Research Group, University of Newcastle
- Australian Council on Healthcare Standards (ACHS) Representatives -- Clinical Director, Coordinator, Administrative Assistant
- Other Expert Stakeholders, as required

## **FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST**

None

## **ADAPTATION**

Measure was not adapted from another source.

## **RELEASE DATE**

2002 Jan

## **REVISION DATE**

2009 Jan

## **MEASURE STATUS**

This is the current release of the measure.

This measure updates a previous version: Australian Council on Healthcare Standards (ACHS). ACHS clinical indicator users' manual 2008. ULTIMO NSW: Australian Council on Healthcare Standards (ACHS); 2007 Dec. 776 p.

## **SOURCE(S)**

Australian Council on Healthcare Standards (ACHS). ACHS clinical indicator users' manual 2009. ULTIMO NSW: Australian Council on Healthcare Standards (ACHS); 2009 Jan. 853 p.

## **MEASURE AVAILABILITY**

The individual measure, "Indicator Area 4: Children's Dental Care CI 4.1," is published in "ACHS Clinical Indicator Users' Manual 2009."

For more information contact, the Australian Council on Healthcare Standards (ACHS), 5 Macarthur Street, ULTIMO NSW 2007; Phone: (02) 9281 9955; Fax: (02) 9211 9633; E-mail: [pos@achs.org.au](mailto:pos@achs.org.au); Web site: [www.achs.org.au](http://www.achs.org.au).

## **COMPANION DOCUMENTS**

The following is available:

- Australian Council on Healthcare Standards (ACHS). Australasian clinical indicator report 2001-2007. Determining the potential to improve quality of care: 9th edition. ULTIMO NSW: Australian Council on Healthcare Standards (ACHS); 2008. 611 p. This document is available in Portable Document Format (PDF) from the [Australian Council on Healthcare Standards \(ACHS\) Web site](http://www.achs.org.au).

## **NQMC STATUS**

This NQMC summary was completed by ECRI Institute on June 16, 2008. This NQMC summary was updated by ECRI Institute on July 17, 2009.

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